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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Group Art Unit: 2122

Kenneth J. Hines

Application No. 09/886,459

Filed: June 20, 2001

For: **A DATA STRUCTURE AND METHOD FOR DETECTING CONSTRAINT CONFLICTS IN COORDINATION-CENTRIC SOFTWARE SYSTEMS**

Date: October 8, 2001

TRANSMITTAL LETTER

TO THE COMMISSIONER FOR PATENTS:

Enclosed for filing in the above-referenced application are the following:

[✓] Information Disclosure Statement
[✓] Form PTO-1449, together with copies of cited references
[✓] Return receipt postcard

The Commissioner is hereby authorized to charge any additional fees which may be required in connection with filing of these papers, or credit overpayment, to Account No. 19-4455. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Kenneth J. Hines

By _____
Steven J. Munson
Registration No. 47,812

STOEL RIVES LLP
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Portland, Oregon 97204-1268
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Facsimile: (503) 220-2480
Attorney Docket No. 10488/13:1 USA

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Application No.: 09/886,459
Filed: June 20, 2001
Inventor: Kenneth J. Hines
Title: **A DATA STRUCTURE AND METHOD FOR DETECTING CONSTRAINT CONFLICTS IN COORDINATION-CENTRIC SOFTWARE SYSTEMS**
Docket No.: 10488/13:1 USA

CERTIFICATE OF MAILING

Date of Deposit: October 8, 2001

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS
BEING DEPOSITED WITH THE UNITED STATES
POSTAL SERVICE AS FIRST CLASS MAIL IN
AN ENVELOPE ADDRESSED TO: COMMISSIONER
FOR PATENTS, WASHINGTON, D.C. 20231.

_____
Signature

Cathy Montee_____
Typed or printed name of person signing
certificate

Attachments:

[✓]   Transmittal letter (in duplicate)
[✓]   Information Disclosure Statement
[✓]   Form PTO-1449, together with copies of cited references
[✓]   Return receipt postcard

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Group Art Unit: 2122

Kenneth J. Hines

Application No. 09/886,459

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For: **A DATA STRUCTURE AND METHOD FOR DETECTING CONSTRAINT CONFLICTS IN COORDINATION-CENTRIC SOFTWARE SYSTEMS**

Date: October 8, 2001

INFORMATION DISCLOSURE STATEMENT

TO THE COMMISSIONER FOR PATENTS:

Pursuant to his duty of disclosure, applicant encloses a copy of the documents listed on the accompanying Form PTO-1449.
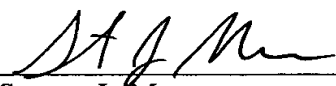
1. This information disclosure statement is being submitted:

   a. [X] Within three months of the filing date of the above-identified application or within three months of the date of entry of the national stage, or before the mailing date of the first Office action on the merits, whichever event occurs last. (No statement under 37 CFR 1.97(e) is required.)

   b. [ ] After the period set forth in paragraph 1a, but before the mailing date of either a final action or a notice of allowance. (Check box i. or ii.)

      i. [ ] A $240.00 information disclosure statement submission fee set forth in 37 CFR 1.17(p) is enclosed.

      ii. [ ] A statement specified by 37 CFR 1.97(e) is set forth below.
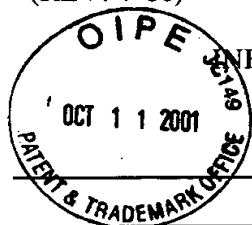
c.   [ ]   After the mailing date of a final action or notice of allowance and on or before payment of an issue fee. A statement specified by 37 CFR 1.97(e) is set forth below. A petition requesting consideration of the information disclosure statement and the $130.00 petition fee set forth in 37 CFR 1.17(i) are enclosed.

2.   [ ]   The attorney or agent signing below hereby states that:

       [ ]   each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

       [ ]   no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

3.   [ ]   Applicant(s) set forth below concise explanations of the relevance of each document not in the English language and/or selected document(s) in the English language.

Respectfully submitted,

Kenneth J. Hines

By _____

Steven J. Munson
Registration No. 47,812

STOEL RIVES LLP
900 SW Fifth Avenue, Suite 2600
Portland, Oregon 97204-1268
Telephone: (503) 224-3380
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Attorney Docket No. 10488/13:1 USA

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 10488/13:1	APPLICATION NO. 09/886,459
	INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	APPLICANT Kenneth J. Hines	
		FILING DATE June 20, 2001	GROUP 2122

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OCT 1 1 2001
PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AA	[Bryant, 1992] Bryant, R.E. (1992). Symbolic Boolean Manipulation With Ordered Binary-Decision Diagrams. *ACM Computing Surveys*, 24(3):293-318.
	AB	[Cooper and Marzullo, 1991] Cooper, R. and Marzullo, K. (1991). Consistent Detection of Global Predicates. In *ACM/ONR Workshop on Parallel & Distributed Debugging.*, pgs. 167-174.
	AC	[Garg and Waldecker, 1994] Garg, V.K. and Waldecker, B. (1994). Detection of Weak Unstable Predicates in Distributed Programs. *IEEE Transactions on Parallel and Distributed Systems,* Vol.5, No. 3, March 1994, pgs. 299-307.
	AD	[Mattern, 1993] Mattern, F. (1993). Efficient Algorithms for Distributed Snapshots and Global Virtual Time Approximation. *Journal of Parallel and Distributed Computing,* Vol. 18, No. 4, 1993.
	AE	[McMillan, 1992] McMillan, K.L. (1992). *Symbolic Model Checking: An Approach to the State Explosion Problem.* Ph.D thesis, Carnegie Mellon University.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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